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Sub B' 1. (amended) A method of regulating smooth muscle tone in a subject, comprising the introduction and expression of a DNA sequence encoding a potassium channel protein in a sufficient number of smooth muscle cells of the subject to regulate smooth muscle tone in the subject.

A' 9. (amended) The method of Claim 1, wherein the potassium channel protein is maxi-K or K_{ATP} .

Please add new Claims 37-49 as follows:

37. (new) The method of Claim 1, wherein the smooth muscle cells are penile smooth muscle cells.

38. (new) The method of Claim 1, wherein the smooth muscle cells are bladder smooth muscle cells.

39. (new) The method of Claim 1, wherein the potassium channel protein is maxi-K.

40. (new) The method of Claim 1, wherein the potassium channel protein is K_{ATP} .

41. (new) The method of Claim 37, wherein the potassium channel protein is maxi-K.

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42. (new) The method of Claim 37, wherein the potassium channel protein is K_{ATP} .

43. (new) The method of Claim 38, wherein the potassium channel protein is maxi-K.

44. (new) The method of Claim 38, wherein the potassium channel protein is K_{ATP} .

45. (new) The method of Claim 1, wherein the DNA sequence is introduced by naked DNA transfer.

46. (new) The method of Claim 41, wherein the DNA sequence is introduced by naked DNA transfer.

47. (new) The method of Claim 42, wherein the DNA sequence is introduced by naked DNA transfer.

48. (new) The method of Claim 43, wherein the DNA sequence is introduced by naked DNA transfer.

49. (new) The method of Claim 44, wherein the DNA sequence is introduced by naked DNA transfer.

Please cancel Claims 6-8, 10-19, and 21-36 without prejudice to applicants' right to pursue prosecution of these claims in a later-filed continuation or divisional application.